

Mouse CDH1 Antibody | anti-CDH1 antibody

CDH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108454	Mouse	Human; Mouse; Monkey	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

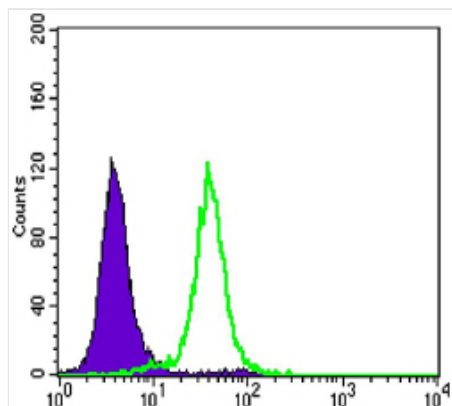
PRODUCT SYNONYMS

CDH1; CDH1 Antibody; UVO; CDHE; ECAD; LCAM; Arc-1; CD324; anti-CDH1 antibody

PRODUCT SPECIFICATIONS

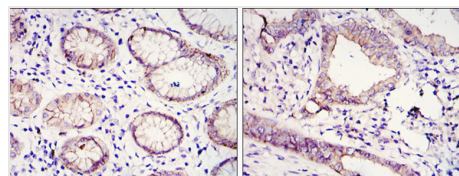
Host	Mouse
Reactivity	Human; Mouse; Monkey
Isotype	IgG1
Clone Number	7H12
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	882
Applicable Applications for anti-CDH1 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human CDH1 expressed in E. Coli.
Species	Mouse IgG1
Preparation and Storage	Store at 4°C, for long term storage, store at -20°C.

IMAGES



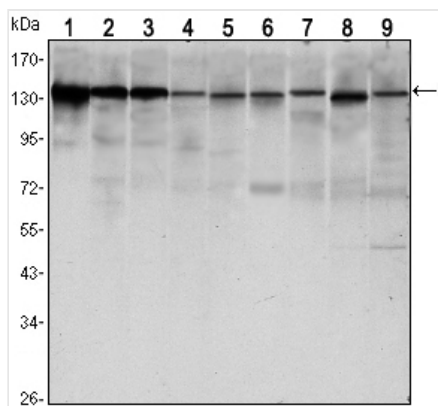
FCM/FACS (Flow Cytometry)

Figure 3: Flow cytometric analysis of HeLa cells using CDH1 mouse mAb (green) and negative control (purple).



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded gastric cancer tissues (left) and lung cancer tissues (right) using CDH1 mouse mAb with DAB staining.



WB (Western Blot)

Figure 1: Western blot analysis using CDH1 mouse mAb against LNCAP (1), A431 (2), DU145 (3), PC-3 (4), MCF-7 (5), PC-12 (6), NIH/3T3 (7), C6 (8) and COS7 (9) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH1 antibody

E-Cadherin is a 120 kDa transmembrane glycoprotein that is localized in the adherens junctions of epithelial cells. There, it interacts with the cytoskeleton through the associated cytoplasmic catenin proteins. In addition to being a calcium-dependent adhesion molecule, E-Cadherin is also a critical regulator of epithelial junction formation. Its association with catenins is necessary for cell-cell adhesion. These E-cadherin/catenin complexes associate with cortical actin bundles at both the zonula adherens and the lateral adhesion plaques. Tyrosine phosphorylation can disrupt these complexes, leading to changes in cell adhesion properties. E-Cadherin expression is often down-regulated in highly invasive, poorly differentiated carcinomas. Increased expression of E-Cadherin in these cells reduces invasiveness. Thus, loss of expression or function of E-Cadherin appears to be an important step in tumorigenic progression. Tissue specificity: Non-neural epithelial tissues.

Product Categories/Family for anti-CDH1 antibody

[Autophagy antibody](#); [Cancer](#); [Cardiovascular](#); [Cell Biology](#); [Epigenetics & Nuclear Signaling](#); [Developmental Biologys](#); [Immunology](#); [Drug Discovery Products](#); [Metabolism](#); [Neuroscience](#); [Signal Transduction](#); [Stem Cells](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757960
NCBI GeneID	999
NCBI Accession #	NP_004351.1
NCBI GenBank Nucleotide #	NM_004360.4
UniProt Accession #	P12830 ; Q13799 ; Q14216 ; Q15855 ; Q16194 ; Q4PJ14 ; Q9UII8 ; A8K1U7
Molecular Weight	135kDa
NCBI Official Full Name	cadherin-1 isoform 1 preproprotein
NCBI Official Synonym Full Names	cadherin 1
NCBI Official Symbol	CDH1
NCBI Official Synonym Symbols	UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324
NCBI Protein Information	cadherin-1
UniProt Protein Name	Cadherin-1
UniProt Gene Name	CDH1
UniProt Synonym Gene Names	CDHE; UVO; E-cadherin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

